## What is claimed is:

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- 1. A decoration material which is composed of a cycloolefin cooligomer whose refractive index n<sub>D</sub> (25°C) is from 1.50 to 1.60 and whose Abbé number is from 50 to 60.
- 2. The decoration material as claimed in claim 1, wherein the oligomer is composed of at least one cyclic olefin monomer and of at least one acyclic olefin monomer.
- The decoration material as claimed in claim 1 or 2, wherein the cycloolefin co-oligomer is a norbornene-ethylene or tetracyclodo-decene-ethylene co-oligomer.
- 15 4. The decoration material as claimed in any of claims 1 to 3, wherein the intertwining length  $M_c$  of the oligomer =  $2^* M_e = 10~000$  g/mol.
  - 5. The decoration material as claimed in any of claims 1 to 4, wherein the molar mass of the cycloolefin co-oligomer is < 5000 g/mol.
  - 6. The decoration material as claimed in any of claims 1 to 5, wherein the average chain length of the cycloolefin co-oligomer is smaller than 2 Me.
- 7. The decoration material as claimed in any of claims 1 to 6, wherein the intrinsic viscosity [ $\eta$ ] of the cycloolefin co-oligomer is in the range from  $\leq 25$  to  $\leq 15$ .
- 8. The decoration material as claimed in any of claims 1 to 7, wherein the density of the cycloolefin co-oligomer is from 0.95 to 1.05 g/cm<sup>3</sup>.
  - 9. The decoration material as claimed in any of claims 1 to 8, wherein the haze of the cycloolefin co-oligomer is from 1 to 10%.
- 35 10. The decoration material as claimed in any of claims 1 to 9, wherein the clarity of the cycloolefin co-oligomer is from 50 to 99%.
  - 11. The decoration material as claimed in any of claims 1 to 10, wherein

the luster value of the cycloolefin co-oligomer is from 85 to 140%.

12. The decoration material as claimed in any of claims 1 to 11, which is spherical, cylindrical, or lamellar.

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13. A process for production of a decoration material as claimed in claim 1, which comprises melting a cycloolefin co-oligomer, and converting it into the desired shape in the molten state and then cooling it.

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- 14. A process for production of a decoration material as claimed in claim 1, which comprises melting a cycloolefin co-oligomer, converting it to the desired shape in the molten state and then using a Sandvik belt to cool it in such a way as to produce marked shrinkage in the decorative beads, so that the density of the decorative beads is < 1.00 g/cm<sup>3</sup>.
- 15. A mixture composed of two or more decoration materials as claimed in claim 1, where the density of at least one portion of the decoration material is greater than 1.0 g/cm<sup>3</sup> and the density of another portion is smaller than and/or equal to 1.09 g/cm<sup>3</sup>.
- 16. The use of a decoration material as claimed in claim 1 as filler material in vases, as display material in display windows, or as table-decoration material.